

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2823

Applicant: Kie Y. Ahn et al.

Title: BIPOLAR TRANSISTORS WITH LOW-RESISTANCE EMITTER CONTACTS

Docket No.: 303.466US1

Serial No.: 09/069668

Filed: April 29, 1998

Due Date: N/A

Examiner: W. Coleman

Group Art Unit: 2823

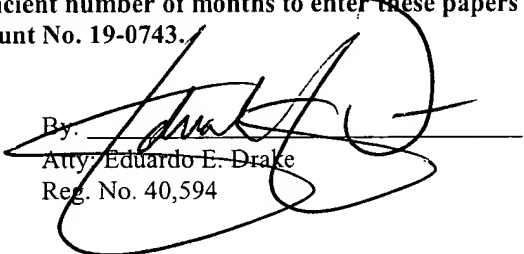
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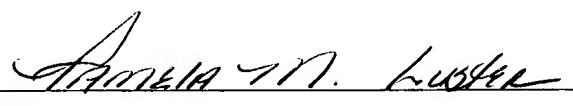
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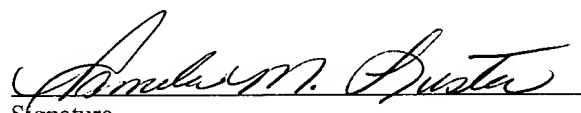
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SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
(GENERAL)

S/N 09/069668



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Kie Y. Ahn et al.	Examiner:	W. Coleman
Serial No.:	09/069668	Group Art Unit:	2823
Filed:	April 29, 1998	Docket:	303.466US1
Title:	BIPOLAR TRANSISTORS WITH LOW-RESISTANCE EMITTER CONTACTS		

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. § 1.17(p), please charge the \$180.00 and any additional fees or credit any overpayment to Deposit Account No. 19-0743.

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Serial No :09/069668

Filing Date: April 29, 1998

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The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

KIE Y. AHN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 349-9593

Date

15 Jan 2004

By

Eduardo E. Drake  
Reg. No. 40,594

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Name

Patricia M. Luster

Signature

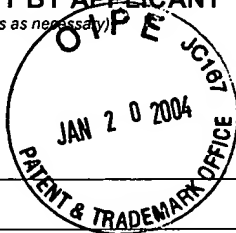
Patricia M. Luster

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	09/069668
Filing Date	April 29, 1998
First Named Inventor	Ahn, Kie
Group Art Unit	2823
Examiner Name	Coleman, W.

Sheet 1 of 1

Attorney Docket No: 303.466US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
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**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CHERKASOV, Y A., et al., "Optical information media based on an amorphous photoconductor with high avalanche amplification--the amorphous analog of trigonal selenium", <u>Journal of Optical Technology</u> , Vol. 64, No. 7, (July 7, 1997), 627-32	
		MOFFATT, W. G., <u>The Handbook of Binary Phase Diagrams</u> , 2, Genium Publishing Corporation, (1984), pg. 6/80	
		SHUTO, SUSUMU, et al., "Read Disturb Degradation Mechanism for Source Erase Flash Memories", <u>1996 Symposium on VLSI Technology, Digest of Technical Papers</u> , Honolulu, HI, (1996), 242-43	
		VAN ZANT, PETER, "via-definition", <u>Microchip Fabrication. A Practical Guide to Semiconductor Processing</u> , 3rd Edition, McGraw-Hill, New York, NY, (1997), 604	

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached